	Loss factors b			Torrigation of Co.	
Fitting type and construction details	K _{Fa} (lb-mole/ yr)	K _{Fb} (lb-mole/ [mi/hr] ^m -yr)	m (dimensionless)	Typical number of fittings, N _T	
Unbolted cover, ungasketed	2.3	5.9	¢1.0		
Unbolted cover, gasketed	2.4	0.34	1.0		
Bolted cover, gasketed	0	0	0		
Gauge-hatch/sample well (8-inch diameter)				1.	
Weighted mechanical actuation, gasketed.		0.14	°1.0		
Weighted mechanical actuation, ungasketed.	0.91	2.4	1.0		
Vacuum breaker (10-in-diameter well)				N _{F6} (Table 31).	
Weighted mechanical actuation, gasketed.	1.2	0.17	°1.0		
Weighted mechanical actuation, ungasketed.	1.2	3.0	1.0		
Roof drain (3-in-diameter)				N _{F7} (Table 31).	
Open	0	7.0	€1.4	N _{F8} (Table 32 f).	
90 percent closed	0.51	0.81	1.0	,	
Roof leg (3-in-diameter)				N _{F8} (Table 32 f).	
Adjustable, pontoon area	1.5	0.20	¢1.0	,	
Adjustable, center area		0.067	¢1.0		
Adjustable, double-deck roofs	0.25	0.067	1.0		
Fixed	0	0	0		
Roof leg (2½-in-diameter)				N _{F8} (Table 32 f).	
Adjustable, pontoon area	1.7	0	0	,	
Adjustable, center area	0.41	0	0		
Adjustable, double-deck roofs	0.41	0	0		
Fixed	0	0	0		
Rim vent (6-in-diameter)				19.	
Weighted mechanical actuation, gasketed.	0.71	0.10	°1.0		
Weighted mechanical actuation, ungasketed.	0.68	1.8	1.0		

Table 31 to Subpart G of Part 63—Typical Number of Vacuum Breakers, N_{F6} AND ROOF DRAINS, A NF7

	No. of vacuum breakers, N _{F6}		No. of roof
Tank diameter D (feet) ^b	Pontoon roof	Double-deck roof	drains, N _{F7} double-deck roof ^c
50	1	1	1
100	1	1	1
150	2	2	2
200	3	2	3
250	4	3	5
300	5	3	7
350	6	4	d
400	7	4	d

^aThis table should not supersede information based on actual tank data.

a The roof fitting loss factors, K_{Fa} , K_{Fb} , and m, may only be used for wind speeds from 2 to 15 miles per hour. b Unit abbreviations are as follows: lb = pound; mi = miles; hr = hour; yr = year. clf no specific information is available, this value can be assumed to represent the most common or typical roof fittings curtified.

of no specific information is available, this value can be assumed to represent the most common of typical lost items.

d'A slotted guide-pole/sample well is an optional fitting and is not typically used.

e Roof drains that drain excess rainwater into the product are not used on pontoon floating roofs. They are, however, used on double-deck floating roofs and are typically left open.

†The most common roof leg diameter is 3 inches. The loss factors for 2½-inch diameter roof legs are provided for use if this smaller size roof is used on a particular floating roof.

g Rim vents are used only with mechanical-shoe primary seals.

bif the actual diameter is between the diameters listed, the closest diameter listed should be used. If the actual diameter is midway between the diameters listed, the next larger diameter should be used.

^oRoof drains that drain excess rainwater into the product are not used on pontoon floating roofs. They are, however, used on double-deck floating roofs, and are typically left open. ^dFor tanks more than 300 feet in diameter, actual tank data or the manufacturer's recommendations may be needed for the number of roof drains.